GOVERNMENT OF INDIA
COMMUNICATIONS AND INFORMATION TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:4134
ANSWERED ON:23.12.2015
Research in 5G Technology
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Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

(a) whether the Department of Electronics and IT and Electronics proposes to undertake research to develop 5G technology in the country

(b) if so, the details thereof;

(c) the step taken by the Ministry to improve the existing 3G and 4G networks in India and increase the access of 3G and 4G access in various areas to have a better internet experience

Answer

(a) and (b): Yes, Sir. The Department of Electronics and IT is funding a collaborative research project on 5G being undertaken by premier academic institutions across the country. The project has been approved in September 2015 with an outlay of Rs. 36.51 crores over a period of three years to be jointly implemented by IISc Bangalore, IIT Bombay, IIT Hyderabad, IIT Madras and CEWiT (Centre of Excellence in Wireless Technology, IIT Madras). These institutes will do advanced research and develop solutions in various areas of 5G technologies. The research team will also jointly develop advanced simulators and technology prototypes. The IPR developed in this project will be contributed for 5G standardization.

(c): 1. TRAI and Department of Telecommunication monitor performance of 3G services on regular basis.

2. Department of Telecommunication has held several meetings with senior officers of Telecom Service Providers (TSPs) to emphasize for better Telecom facilities including 3G services to improve internet experience.

3. To improve 3G services, Private Telecom Service Providers (TSPs) have added 14,751 additional sites in last six months. BSNL has added 1886 additional 3G sites across the country.

4. Department of Telecommunication has awarded, Broadband Wireless Access (BWA) spectrum and 3G spectrum in year 2010 to facilitate Telecom Operators to launch 3G/4G services. Additional spectrum allotted in Nov 2012 and Feb 2014 through open auction may also be utilized for launch of 3G/4G services. All TSPs have made ambitious plan for launch of 3G/4G services.

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